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Total Number of Pages in This Submission

3

Application Number	101600,904
Filing Date	06/20/2003
First Named Inventor	Robert Sigurd Nelson
Art Unit	2882
Examiner Name	Irakli Kiknadze

Attorney Docket Number

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please Identify below):
<input type="checkbox"/> Remarks <div style="text-align: center;"><i>- 2 page reply -</i></div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name			
Signature	<i>Robert Sigurd Nelson</i>		
Printed name	<i>Robert Sigurd Nelson</i>		
Date	June 27, 2006	Reg. No.	

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Appl. No. : 10/600,904
Applicants : Robert Sigurd Nelson, William Bert Nelson
Filing Date : June 20, 2003
Examiner : Irakli Kiknadze
Art Unit : 2882
Title : DEVICE AND SYSTEM FOR IMPROVED IMAGING IN NUCLEAR MEDICINE AND MAMMOGRAPHY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

June 27, 2006

AMENDMENT

Dear Mr. Kiknadze:

In response to the Final Office Action of 06/15/2006 and our phone conversation of 06/27/2006, please amend claims 57, 58 of application 10/600,904 as follows:

IN THE CLAIMS

57. (Canceled) A method of calibrating a radiation detection system comprising:

providing a ~~known~~ radiation source ~~distribution~~ that emits radiation, wherein the source is chosen from the group consisting of a uniform point-like source, a line-like source, a spherical source, a rod-like source, a collimated spot source, a slit source, a slot source, a grid pattern source, a planar flood field, and a shaped three-dimensional flood field,

measuring the level of radiation emitted from the source that is detected by the detection system, and

calibrating the detection system by evaluating the detected radiation and balancing the system based upon the detected radiation.